PROJECTION

LANTERN and CINEMATOGRAPH

WRENN'S
MONTHLY BULLETIN

No. 12 September, 1907

ENTERED AT STATIONERS' HALL

ABSOLUTELY UNSOLICITED.

Mr. Arthur W. Ellis, of Sidmouth, writes us as follows:—

"I must give you a great word of praise for your latest idea—the Safety Fire-proof Box behind the gate. By an oversight an assistant left the Governors fixed up after centering the light and extinguishing same. The film was threaded and all ready to show, 1,000 feet being on the top spool. The Hall was full of people and I turned on my light preparatory to showing, and was just about to commence when the film fired up. You know what that meant on an old machine. In yours, it simply burnt out the piece before the light. I turned on, ran the show, and no one knew anything about it. I am extremely grateful to you for devising such a thing."

P.S. Please return the piece of film—I keep it as a memento.

FURTHER COMMENT IS NEEDLESS, as the Proof of the Pudding is in the eating thereof.

This arrangement is fitted to the Models A, A. B. and C. Perfect Projectors or P. P. Instruments.

John Wrench & Son,

50 Gray's Inn Road,

London, W.C.

PROJECTION

LANTERN and CINEMATOGRAPH

Published by

JOHN WRENCH & SON.

50, Gray's Inn Road,
London, W.C.

ESTABLISHED 1816. TRADE MARK.

Telephone: 5006 Holborn.
Telegrams: "Optigraph, London."

No. 12. SEPTEMBER, 1907. Gratis, Exclusive Trade Circulation

An Entirely New Machine.

MANY of our customers will, no doubt, be interested to hear that we have introduced a new machine on the Maltese Cross principle. It is the outcome of many months of experiments, and it contains features which are absolutely new, and which we have, in consequence, patented.

These special features may be summarised as follows:

(*a*) The whole of the Maltese Cross mechanism runs within an oil bath.

(*b*) An ingenious device whereby the film can be quickly moved within the gate to the extent of one picture, and, at the same time, there is complete optical centralization in the adjustment.

(*c*) Automatic Cut-off and Safety Shutter.

(*d*) Gate fitted with Fire-proof Box, so that it is impossible to burn any part of the film except the picture before the Gate, even if the light be allowed to play directly on to it. Even then the perforations are not burnt, so that the film can be run as if nothing had happened.

Such, then, are the main features of what will be known as the Model C. Perfect Projector or P.P. Mechanism. The machine is built on an iron frame, and in appearance is very similar to the Model B instrument, which was so popular last season. It has the same substantiality, the driving wheels, etc, being of the same

IT IS IMPOSSIBLE

to give

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OF ALL OUR SPECIALITIES.

Send us a Post Card, and we will forward you a copy of our 1907-8 Catalogue of London-made Lanterns, Cinematographs, and Accessories.

200 pages, Printed on Art Paper, Cloth Bound.

The Illustrations are by the Half-Tone Process, and have been specially made for this issue.

IT IS

Full of saleable Articles, and must be in the hands of every member of the Trade, if he desires to keep pace with modern improvements and requirements.

JOHN WRENCH & SON

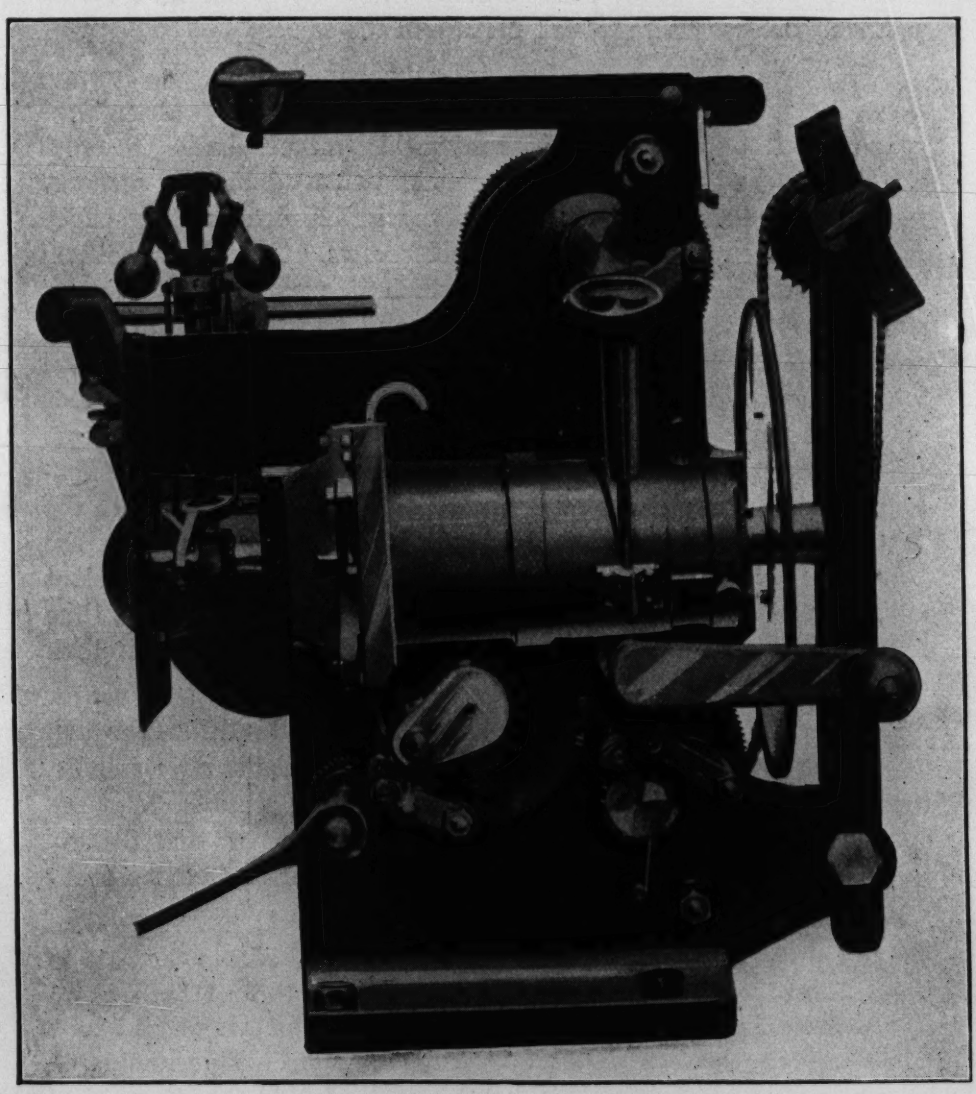
(Established 1816)

50, Gray's Inn Road

LONDON . . W.C.

Telegrams: "OPTIGRAPH, LONDON." Telephone: 5006, HOLBORN.

size as in the Model B pattern. It will, therefore, be only necessary, in the present review, to draw attention to the special features of the Maltese Cross, etc. This cross, together with its spindle, is cut out of a solid piece of cast steel, and is hardened, so that it works dead true, and will withstand a large amount of wear and



tear. The pin for working the Maltese Cross is also made of cast steel and is hardened; it is mounted on the Locking Ring, which in turn is fixed to the steel spindle. This spindle carries at the outer end a 1 in. diameter gun-metal toothed wheel, which is geared to the 4 in. driving wheel. By this means the gearing throughout is in the ratio of 4 to 1, but at the same time, one turn of the handle is a movement equivalent to eight pictures. A heavy brass Balance Wheel, polished and lacquered, $4\frac{1}{4}$ ins. in diameter, and grooved to

take a motor band, is securely fitted, by means of a linch pin, in juxtaposition to the toothed wheel. The Maltese Cross spindle is carried in the frame of the oil bath mentioned below, and runs in adjustable gun-metal bearings. It has a steel stop and start sprocket attached to it, which is cleared in the centre and lightened. The film is kept against this sprocket wheel by means of a cradle carrying two vulcanite rollers, cleared in the centre.

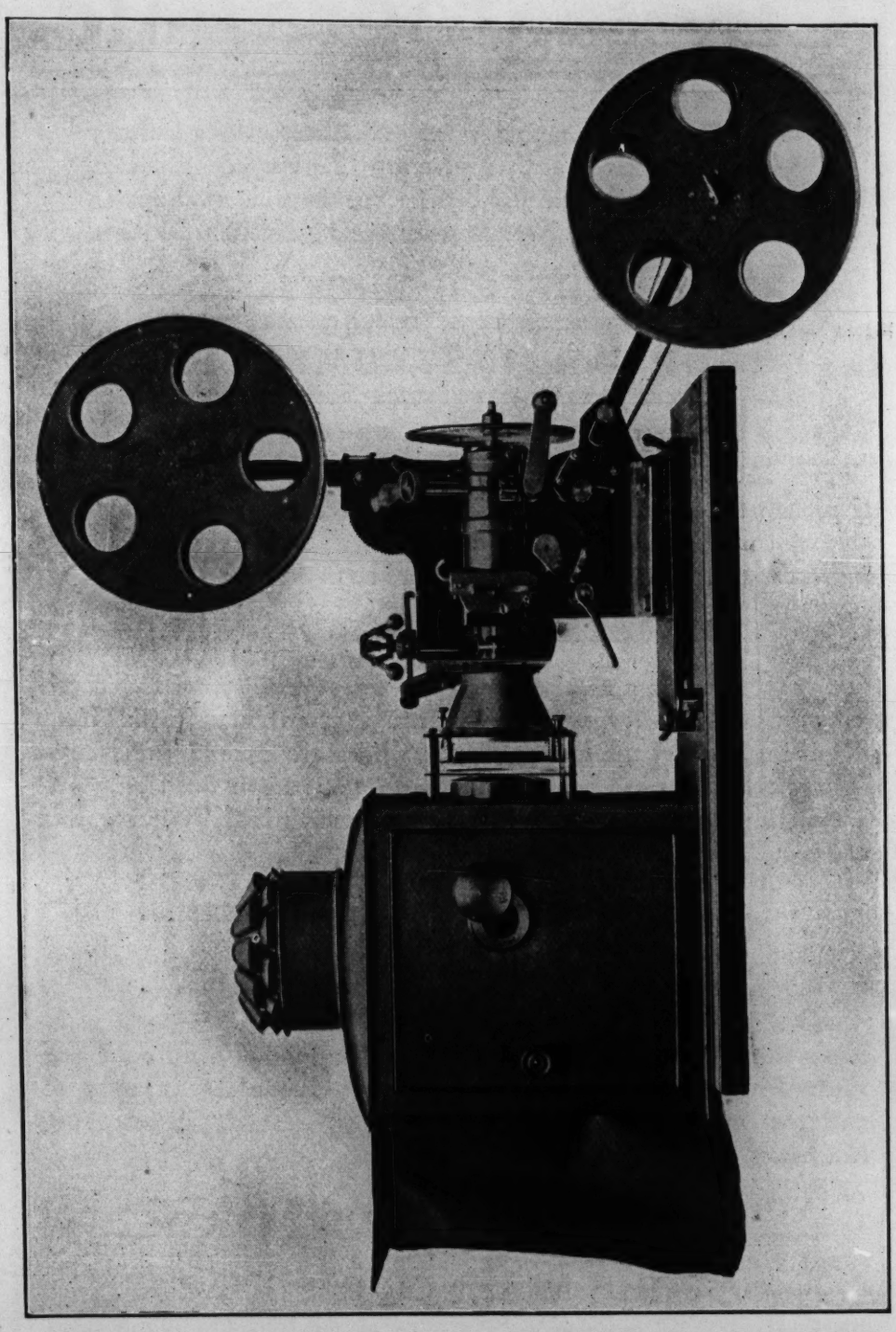
To ensure smooth running of the mechanism, as well as to prevent the Locking Ring and the Maltese Cross from "firing," the whole of this mechanism is run within an oil bath of novel construction, which has been patented. This oil bath is made of brass, bronzed and lacquered, and works within a metal casting, which is firmly affixed to the frame by steel screws. The edges, both of the oil bath and the casting on which it works, are accurately ground, so that the oil cannot escape and trickle down the framework. It is so arranged that it can be readily filled with oil when occasion arises and can as easily be emptied. Whilst this is so, the bath when once filled with oil will last for many years without replenishing. The adaptation of the oil bath to the cinematograph marks a distinct advance, especially in machines with the Maltese Cross movement. Hitherto, the trouble has been the "firing" of the Locking Ring and the Cross, caused from insufficient oiling of the working parts. The result is that the pin breaks, thus rendering the mechanism useless, but with the patented oil bath this objectionable feature cannot possibly occur.

The iron frame is strengthened on each side and is drilled through its entire width from back to front for carrying the shutter spindle, the bearings being provided with holes for oiling. The inner end of the spindle is arranged to actuate the Automatic Cut-off, and the extreme outer end is cut D shape to allow the shutter to move backwards and forwards for lenses of varying foci.

As already mentioned, the film can be moved within the gate to the extent of one picture. To the periphery of the oil bath, there is attached the segment of a toothed wheel, which is geared to a small toothed wheel carried on a long steel spindle. This is actuated by a brass lever handle, polished and lacquered. At the other end of the spindle there are two friction washers, which can be regulated at any time. By this arrangement the illuminant when once centered requires no re-adjustment when masking the film.

From the above remarks it will be seen that an immense amount of thought has been given to the Model C Mechanism, and in practice it will be found to give steady and flickerless pictures, which are the admiration of all who have seen the machine running. The stop and start sprocket wheel, when the machine is working,

appears to be dead still, which is one of the most trying tests that the machine can have. Not only so, but it runs with a smoothness,



and ease that is truly wonderful, owing in part to the mechanism running in oil. The price is £30, and, as with the other mechanisms, it can be fitted up in a variety of ways to suit all purses.

EVERYTHING

Cinematographic.

We supply all the Apparatus and Accessories necessary for both taking and projecting Animated Pictures. They are made throughout in our own workshops in London by thoroughly competent and efficient workmen.

THE PERFECT PROJECTORS

OR P.P. INSTRUMENTS.

Cam or "Dog" Movement and Maltese Cross Movement.

THE MODELS A. AA. B. and C. Perfect Projectors are truly Professional Machines, and range in price from **£15** upwards. Every care is taken in their construction, and every detail has been considered with the greatest care so as to make them

THE ACME OF PERFECTION.

They combine in a marked degree:—Practicability with Simplicity: Substantiality with Elegance: Accurateness with Easy Running, and at the same time the prices are exceptionally low. These claims we can substantiate, and they have been substantiated times without number by our customers both at home and abroad.

NO MODERN AND UP-TO-DATE EXHIBITOR . . CAN AFFORD TO BE WITHOUT THEM. . .

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Everything is supplied, including Film Menders, Film Spool and Film Winders, Iron Houses, Arc Lamps in a large variety of patterns at all prices, Motors, Tripod Stands. Measuring Machines, etc., etc., etc.

FULL PRICE LIST ON APPLICATION.

JOHN WRENCH & SON,

Established — 1816 —

50, Gray's Inn Road,

LONDON, W.C.

Established — 1816 —

Notes from all Sources

THE Kinematograph Manufacturers' Association of Great Britain, which consists of all the film makers in this country, has done a signal service to the trade by inaugurating a scheme for the Examination and Certification of Operators and Exhibitors. The scheme is being worked in conjunction with the Northampton Polytechnic Institute, and Messrs. Nevel Maskelyne and S. D. Chalmers have been appointed examiners for 1907-8. Two grades of certificates will be issued to successful candidates, and their names will be placed on a Register of Certified Operators, which register will be circulated annually amongst exhibitors, managers and public authorities. The Association has no object in view other than that of endeavouring to raise the standard of the trade, and any scheme which aims to this end should receive the hearty support and co-operation of all concerned. We understand that the candidates will be observed setting up and working machines under ordinary conditions, and they will be questioned in order to ascertain their practical knowledge of their duties, but an operator who knows his work need have no fear of failing to pass for lack of book knowledge. Full particulars may be obtained from the Secretary, Mr. J. Brooke Wilkinson, whose enviable address is the Holborn Restaurant, London, W.C.

* * *

Mr. H. H. Wrench, son of our Mr. Alfred Wrench, has dissolved partnership with the Warwick Trading Company, Limited. He will shortly be making an announcement to the trade, stating his intentions, and the lines he intends to pursue in the future.

* * *

Our new illustrated catalogue is as far in advance of the last issue as that issue was in advance over every previous issue. It has been re-written from beginning to end, and every article has been re-photographed and reproduced by the half-tone process, the blocks being made to scale, so that a very good idea may be gained of the size of the articles themselves. All prices are in tabular form, a system which we believe will be found to simplify matters very considerably. Moreover, every lantern is quoted with and without illuminants, and an order number is placed against each individual item. This will be found of extreme serviceableness, especially by our friends abroad. Might we also respectfully draw our

customers' attention to the Preface; it will be found extremely practical, and to contain much information that is required in every dealers' daily business routine. We shall be pleased to forward a copy, post free, to any *bonâ-fide* member of the trade.

* * *

Cinematographers, especially in London, are sometimes apt to consider that they are badly treated by the L.C.C. and the Fire Insurance Companies. But their position is a bed of roses in comparison to the position of the members of the trade abroad. For instance, in Germany, every film has to be passed by the police authorities before it can be shown in any public place of amusement. And now a new law is coming into force whereby all the film makers will be compelled to quit their present premises, for the law says they must occupy only the top floors, and that films must only be stocked in buildings set apart and built especially for factories.

* * *

Rumour has it that at least three additions will be made this year to the number of film makers in this country, and that the capital is unlimited. We have heard of this kind of thing before, but we must confess that we are somewhat sceptical. In the meantime, the film makers have been exceptionally busy during the past few months, and we expect to hear shortly of many excellent subjects making their appearance.

* * *

This reminds us that we have issued a supplemental list, this season, of films as well as of photographic lantern slides. We will willingly send copies to any of our friends making application for them.

* * *

Everyone appears to be anticipating a good lantern season; that is, good, as compared with other seasons within the past few years. Naturally, we hope that our friends' prognostications will be fulfilled. The only way to sell lanterns is by having a good and varied stock of lanterns to show to customers. Can we assist you in any way? If so, kindly drop us a line, for we are always willing to consider any propositions that have for their ultimate aim an increase of business. We have certainly sufficient patterns to choose from, and our prices are "right." The same remarks apply also to lantern accessories and sundries.

* * *

In consequence of the unsettled weather during the early part of the summer, London last month seemed more empty than is usually the case for the holiday month of the year. The Metropolis seemed to be in the hands of foreigners, and especially of that clique who were making enquiries as to which was the way "down town." From the cinematograph point of view, it must be admitted that the month of August is always unsatisfactory.

The "Wrench" Catalogue for 1907-8 is an Edition de Luxe. No trader can afford to be without it, for it is as essential to him as an Encyclopædia is to a journalist.

BRITISH FILM INSTITUTE

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There is Nothing like them, and Nothing "Just as Good." They are

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Simply because they are constructed on sound principles, and are the outcome of years of experience. Made throughout in our own Workshops by competent labour, in a number of patterns and at prices to suit all purses. They always meet with the most unqualified success and

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¶ We have special facilities for this kind of work with up-to-date workshops on the premises.

¶ Only competent workmen are employed, so that satisfaction is guaranteed.

¶ The prices charged are strictly competitive, and we make a special feature of prompt deliveries.

¶ No work is either too small or too large for us to undertake and carry out satisfactorily.

We feel that the above announcement will be read with interest by many of our customers who handle photographic apparatus, for up to the present no one seems to have made a feature of this important side of the trade, or to have opened a special department to cope with the work.

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